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COTTON GIN EQUIPMENT
JULY 1977

There were 2,900 active gin batteries in the United States in July 1977, according to the Cotton Division, Agricultural Marketing Service, USDA. This compares with 3,000 active gin batteries a year earlier and 3,200 two years ago.

All batteries, except two, were equipped with seed cotton driers and all but eleven had lint cleaners. Most batteries had two or more stages of seed cotton drying and lint cleaning. Over one-half of the gin batteries were equipped with automatic bulk feed controls, bur extractors and stick and green leaf machines.

Over 1,900 gins had modified their flat gin presses to produce a bale that could be pressed to universal density and size. Universal density presses were in use in 169 gins by July 1977, up from 130 last year and 109 two years ago.

A total of 318 gins were equipped with mechanical samplers. This compares with 279 last year and 253 in 1975. Almost three-fourths of the samplers were on gins located in Texas, Arizona and California.

Almost 87 percent of the active gin batteries were using electricity as the source of power for gin stands. Most of the remaining 13 percent were powered by diesel fuel, bottled gas or natural gas.

July 26, 1977

Cotton gin batteries with specified kinds of equipment, by states and United States, July 1977

States and United States	Total gin batteries 1/	Number of gin batteries having:												Stick & green leaf machine	Bur extractor	Overflow by-pass	Mechani- cal sampler
		Automatic bulk feed control			Seed cotton driers	Stages of drying			Lint cleaners	Stages of lint cleaning							
		No.	No.	No.		1	2	3 or more		1	2	3	4 or more				
N. Carolina 3/	56	28	56	25	27	4	56	16	31	9	-	-	35	34	36	-	
S. Carolina	104	44	104	40	63	1	104	21	62	21	-	-	28	69	19	1	
Georgia	106	51	106	29	67	10	106	15	74	17	-	-	41	80	63	13	
Florida	2	2	2	-	2	-	2	-	1	1	-	-	-	2	2	1	
Alabama	153	86	152	34	116	2	152	6	95	46	5	5	37	119	87	15	
Mississippi	384	263	383	64	310	9	384	50	262	71	1	1	69	243	294	24	
Tennessee	144	81	144	21	103	20	144	10	77	53	4	4	63	77	108	3	
Missouri	95	77	95	6	87	2	95	4	51	39	1	1	33	60	76	4	
Arkansas	317	182	317	48	252	17	310	51	195	58	6	6	157	158	246	9	
Louisiana	121	90	121	5	107	9	121	4	80	35	2	2	52	91	98	16	
Oklahoma	98	47	98	43	51	4	98	43	55	-	-	-	97	62	82	-	
Texas	889	473	889	226	593	70	886	185	627	66	8	8	783	643	724	97	
New Mexico	44	24	44	16	26	2	44	3	24	15	2	2	19	33	33	-	
Arizona	117	100	117	16	87	14	117	11	70	30	6	6	60	77	92	21	
California 4/	243	237	243	5	165	73	243	1	147	89	6	6	106	136	224	114	
United States	2,873	1,785	2,871	578	2,056	237	2,862	420	1,851	550	41	41	1,580	1,884	2,184	318	

Cotton gin batteries with specified kinds of equipment, by states and United States, July 1977 -- Continued

States and United States	Total gin batteries 1/	Number of batteries having:					Number of batteries having the following sources of power for gin stands				
		Flat gin presses	Modified flat gin presses 2/	Universal density presses	Standard density presses	High density presses	Electricity	Diesel fuel	Bottled gas	Natural gas	Other
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
N. Carolina 3/	56	56	-	-	-	-	56	-	-	-	-
S. Carolina	104	103	-	1	-	-	104	-	-	-	-
Georgia	106	100	1	5	-	-	99	7	-	-	-
Florida	2	2	-	-	-	-	2	-	-	-	-
Alabama	153	147	3	3	-	-	144	9	-	-	-
Mississippi	384	12	331	35	6	-	325	24	15	20	-
Tennessee	144	16	123	-	5	-	129	15	-	-	-
Missouri	95	-	90	3	2	-	66	20	-	5	4
Arkansas	317	2	290	18	7	-	223	42	16	37	-
Louisiana	121	-	80	32	9	-	77	6	6	32	-
Oklahoma	98	2	93	3	-	-	72	1	5	20	-
Texas	889	5	831	43	10	-	797	19	20	55	3
New Mexico	44	5	38	-	1	-	43	-	-	1	-
Arizona	117	44	54	4	15	-	117	-	-	-	-
California 4/	243	155	7	22	52	8	243	-	-	-	-
United States	2,873	649	1,941	169	107	8	2,497	143	62	170	7

1/ Saw and roller gin batteries.

2/ A flat gin press box converted to form a bale 24 inches in width.

3/ Includes one battery in Virginia.

4/ Includes one battery in Nevada.

